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Keehoon Kim; Bartlett, E.B.;  
[Nuclear Science, IEEE Transactions on](#)  
Volume 43, Issue 4, Part 2, Aug. 1996 Page(s):2373 - 2388  
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Frogner, B.; Rao, H.;

[Automatic Control, IEEE Transactions on](#)

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Booth, L.A.; Freiwald, D.A.; Frank, T.G.; Finch, F.T.;

[Proceedings of the IEEE](#)

Volume 64, Issue 10, Oct. 1976 Page(s):1460 - 1482

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- Buzbee, B.L.;  
Proceedings of the IEEE  
Volume 72, Issue 1, Jan. 1984 Page(s):19 - 21  
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Volume 63, Issue 11, Nov. 1975 Page(s):1568 - 1608  
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Keehoon Kim; Bartlett, E.B.;  
Nuclear Science, IEEE Transactions on  
Volume 43, Issue 4, Part 2, Aug. 1996 Page(s):2373 - 2388  
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Sweet, W.;  
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Calame, J.P.; Abe, D.K.;  
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Yung-Keun Kwon; Byung-Ro Moon; Sung-Deok Hong;  
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### 1 Abstracts—nuclear reactor codes



Virginia Nather, Ward Sangren

January 1959 **Communications of the ACM**, Volume 2 Issue 1

Publisher: ACM Press

Full text available: [pdf\(3.51 MB\)](#) Additional Information: [full citation](#)



### 2 Nuclear power plant diagnostics in APL



Alexander O. Skomorokhov

July 1991 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL '91 APL '91**, Volume 21 Issue 4

Publisher: ACM Press

Full text available: [pdf\(903.20 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



We are interested in the development of Nuclear Power Plant (NPP) diagnostic systems and other complex systems of data processing. There are some questions on the subject: How to build these systems easily? How to build them fast? How to build them at a low price? And how to build them to be user friendly? Today, from our point of view, in the area of Nuclear Power Plant diagnostics, there is only one answer to these questions: We must use APL.

### 3 GASP IV simulation of nuclear waste

Jeffery Lee Turek, Elden L. Deporter, Harold A. Kurstedt, Charles E. Rasbach, Steven K. Funk  
January 1981 **Proceedings of the 13th conference on Winter simulation - Volume 1**

Publisher: IEEE Press

Full text available: [pdf\(521.33 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)



The current governmental research and development program for the disposition of high-level nuclear wastes from both defense and commercial sources is modelled using a discrete GASP IV based simulation. The simulation utilizes, as input, actual and current data from various DOE management information systems. A sampling of disposition data contained within these systems are milestones, storage facility capacities, and predecessor and successor relations. Decision variables include facility ...

### 4 Abstracts— additional nuclear reactor codes



 Virginia Nather, Ward Sangren  
January 1960 **Communications of the ACM**, Volume 3 Issue 1  
**Publisher:** ACM Press  
Full text available: [pdf\(940.91 KB\)](#) Additional Information: [full citation](#)

**5 The role of computer systems in the nuclear power debate** 

 Kevin W. Bowyer  
April 1980 **ACM SIGCAS Computers and Society**, Volume 10 Issue 3-4  
**Publisher:** ACM Press  
Full text available: [pdf\(489.92 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

One of the primary reasons for the current "decline" of nuclear power is that reactors have not operated reliably. This unreliability has raised questions of both safety and economics. Computer systems have been a part of this failure of technology. If nuclear power is to be revived as an energy option for our country, both the quantity and quality of computer applications must increase.

**6 Computer based systems in boiling water reactors** 

 J. N. Shukla, J. A. Iubelt  
April 1980 **ACM SIGCAS Computers and Society**, Volume 10 Issue 3-4  
**Publisher:** ACM Press  
Full text available: [pdf\(474.71 KB\)](#) Additional Information: [full citation](#), [abstract](#)

This paper describes the application of computers to the General Electric Company's Boiling Water Reactor (BWR) type nuclear power plants. In the GE BWR plants, computers are used for Real Time Process Monitoring, Nuclear Steam Supply System Performance and Core Limit Evaluation, Balance of Plant Performance Evaluation, Historical Recording, and Control Rod Pattern Enforcement. These functions are performed by different systems and subsystems each consisting of one or more computers. This paper ...

**7 Highly vectorized algorithm for transient simulation of space reactor systems** 

B. Nassershariif, J. S. Peery, M. D. DeHart  
November 1988 **Proceedings of the 1988 ACM/IEEE conference on Supercomputing**  
**Publisher:** IEEE Computer Society Press  
Full text available: [pdf\(765.38 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Current interest in the application of nuclear reactor driven power systems to space missions has generated a need for an accurate systems model which is capable of handling the nonlinear transient simulation of such systems [1],[2]. A project to develop a code specifically designed to model and analyze space reactor systems is currently ongoing at Texas A&M. This code, named CENTAR (Code for Extended Nonlinear Transient Analysis of Extraterrestrial Reactors [3],[4]), is written especia ...

**8 DPRL: a language for representation of operation and safety maintenance** 

 procedures of nuclear power plants  
Rajiv Bhatnagar, D. W. Miller, B. K. Hajek, B. Chandrasekaran  
June 1990 **Proceedings of the 3rd international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2 IEA/AIE '90**  
**Publisher:** ACM Press  
Full text available: [pdf\(870.34 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

9 PACS: a parallel microprocessor array for scientific calculations

 Tsutomu Hoshino, Toshio Kawai, Tomonori Shirakawa, Junchi Higashino, Akira Yamaoka, Hachidai Ito, Takashi Sato, Kazuo Sawada  
August 1983 **ACM Transactions on Computer Systems (TOCS)**, Volume 1 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(1.95 MB)

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**Keywords:** MIMD, array processors, distributed systems, highly parallel processors, multimicroprocessors, multiprocessing, multiprocessors, nearest neighbor communication, parallel algorithms, parallel language, parallel processors, performance measurement, processor architecture, scientific calculation, supercomputer, synchronization

10 The applied mathematics laboratory of the David W. Taylor Model Basin

 Morris Richstone  
September 1961 **Communications of the ACM**, Volume 4 Issue 9

**Publisher:** ACM Press

Full text available:  pdf(1.47 MB)

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11 A combined simulation model of the nuclear fuel cycle

E. L. DePorter, Harold A. Kurstedt, Joel A. Nachlas

December 1977 **Proceedings of the 9th conference on Winter simulation - Volume 1**

**Publisher:** Winter Simulation Conference

Full text available:  pdf(327.18 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Strategies for dealing effectively with the complex nuclear fuel cycle are needed to assure the availability of the required nuclear energy portion of U.S. energy supplies. The vertical integration approach to assuring uranium fuel supplies is achieved through control or ownership of fuel cycle stages. Global system analysis is facilitated by identifying crucial control points in the fuel cycle. A GASP IV simulation model of the production and inventories of the sequentially prod ...

12 University Consortium for Industrial Numerical Analysis (UCINA)

 S. McKee  
December 1981 **ACM SIGNUM Newsletter**, Volume 16 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(420.07 KB)

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The University Consortium for Industrial Numerical Analysis (UCINA) was formed on the 1st October 1979 with Dr. Sean McKee as the Project Coordinator. UCINA represents a collaborative effort by numerical analysts and interested applied mathematicians of the Universities of Bath, Brunel, Oxford, Reading and Imperial College, with strong support from the Division of Numerical Analysis and Computing Sciences at the National Physical Laboratory, to help with the solution of practical problems in ind ...

13 Effective application of computer graphics

 George W. Tressel  
April 1975 **ACM SIGGRAPH Computer Graphics , Proceedings of the 2nd annual conference on Computer graphics and interactive techniques SIGGRAPH '75**, Volume 9 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(8.71 MB)

Additional Information: [full citation](#), [references](#)



14 A case study in the use of defect classification in inspections

Diane Kelly, Terry Shepard

November 2001 **Proceedings of the 2001 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: [pdf\(165.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In many software organizations, defects are classified very simply, using categories such as Minor, Major, Severe, Critical. Simple classifications of this kind are typically used to assign priorities in repairing defects. Deeper understanding of the effectiveness of software development methodologies and techniques requires more detailed classification of defects. A variety of classifications has been proposed. Although most detailed schemes have been developed for the purpose of analyzing soft ...

**Keywords:** orthogonal defect classification, software engineering, software maintenance, software metrics, software testing, software validation

15 NUFANTS: A tool for the analysis of nuclear development policies

Mark B. Triplett, Theodore L. Willke, John D. Waddell

January 1977 **Proceedings of the 9th conference on Winter simulation - Volume 2**

Publisher: Winter Simulation Conference

Full text available: [pdf\(582.16 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

NUFANTS, the Nuclear Fuel Cycle Activity Simulator, is a combined continuous/discrete simulation of the nuclear power economy. This model has been useful in the evaluation of nuclear development policies as it projects the economic and resource impacts attributable to a given policy. A recent application of NUFANTS has involved the economic evaluation of plutonium recycle options in light-water reactors. Based upon the GASP IV simulation language, NUFANTS provides a highly flexib ...

16 Model reliability and software quality assurance in simulation of nuclear fuel waste management systems

Tuncer I. Ören, Maurice S. Elzas, Grant Sheng

October 1985 **ACM SIGSIM Simulation Digest**, Volume 16 Issue 4

Publisher: ACM Press

Full text available: [pdf\(1.16 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

As is the case with all scientific simulation studies, computerized simulation of nuclear fuel waste management systems can introduce and hide various types of errors. Frameworks to clarify issues of model reliability and software quality assurance are offered. Potential problems with reference to the main areas of concern for reliability and quality are discussed; e.g. experimental issues, decomposition, scope, fidelity, verification, requirements, testing, correctness, robustness are treated w ...

17 Real world applications: Heuristic rules embedded genetic algorithm to solve in-core fuel management optimization problem

Fatih Alim, Kostadin Ivanov

June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**

Publisher: ACM Press

Full text available: [pdf\(208.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Because of the large number of possible combinations for the fuel assembly loading in the core, the design of the loading pattern (LP) is a complex optimization problem. It requires finding an optimal fuel arrangement in order to achieve maximum cycle length while satisfying the safety constraints. The objective of this study is to develop a loading pattern optimization code. Generally in-core fuel management codes are written for specific cores and limited fuel inventory. One of the goals of th ...

**Keywords:** genetic algorithms, heuristic rules, in-core fuel management, loading pattern, pressurized water reactor (PWR)

**18 A systematic approach to the development and validation of critical software for nuclear power plants**

C. V. Ramamoorthy, F. B. Bastani, J. M. Favaro, Y. R. Mok, C. W. Nam, K. Suzuki  
September 1979 **Proceedings of the 4th international conference on Software engineering**

**Publisher:** IEEE Press

Full text available:  pdf(911.14 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The power industry is becoming increasingly interested in the use of digital computers within nuclear plant protection systems in order to satisfy increased safety requirements, provide greater operating flexibility, minimize spurious forced outages, and (in conjunction with multiplexing) to meet separation requirements. However, the development and licensing of digital safety systems has been hindered to date by the difficulty of validating the software. A methodology is propose ...

**19 Genetic algorithms: Application of genetic algorithm to optimize burnable poison placement in pressurized water reactors**

Serkan Yilmaz, Kostadin Ivanov, Samuel Levine  
June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**

**Publisher:** ACM Press

Full text available:  pdf(1.47 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An efficient and a practical genetic algorithm tool was developed and applied successfully to Burnable Poisons (BPs) placement optimization problem in the reference Three Mile Island-1 (TMI-1) core. Core BP optimization problem means developing a BP loading map for a given core loading configuration that minimizes the total Gadolinium (Gd) amount in the core without violating any design constraints. The number of UO<sub>2</sub>/Gd<sub>2</sub>O<sub>3</sub> pins and Gd<sub>2</sub>O<sub>3</sub> con ...

**Keywords:** burnable poison, decision variables, gadolinium, genetic algorithm, nuclear, optimization, reactor

**20 A network modeling and analysis technique for the evaluation of nuclear safeguards systems effectiveness**

Floyd H. Grant, Robin J. Miner, Dennis Engi  
December 1978 **Proceedings of the 10th conference on Winter simulation - Volume 2**

**Publisher:** IEEE Computer Society Press

Full text available:  pdf(618.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Nuclear safeguards systems are concerned with the physical protection and control of nuclear materials. The Safeguards Network Analysis Procedure (SNAP) provides a convenient and standard analysis methodology for the evaluation of safeguards system effectiveness. This is achieved through a standard set of symbols which characterize the

various elements of safeguards systems and an analysis program to execute simulation models built using the SNAP symbology. The reports provided by the SNAP ...

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U. Rohde  
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2.  **Irradiation of Argentine (U,Pu)O<sub>2</sub> MOX fuels. Post-irradiation results and experimental analysis with the BACO code** • ARTICLE  
*Journal of Nuclear Materials, Volume 229, 2 April 1996, Pages 169-186*  
Armando Carlos Marino, Edmundo Pérez and Pablo Adelfang  
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<input type="checkbox"/>	L10	L9 and pellet?	16
<input type="checkbox"/>	L9	L8 and fuel rod?	22
<input type="checkbox"/>	L8	nuclear reactor and (cladding with fail\$) and simulat\$	33
<input type="checkbox"/>	L7	L3 and (cladding with fail\$)	7
<input type="checkbox"/>	L6	L3 and (cladding with fail\$) and pellet?	6
<input type="checkbox"/>	L5	L4 and (cladding with fail\$)	6
<input type="checkbox"/>	L4	L3 and (cladding same pellet?)	12
<input type="checkbox"/>	L3	L2 and (nuclear reactor same simulat\$)	45
<input type="checkbox"/>	L2	nuclear reactor and cladding and simulat\$	190
<input type="checkbox"/>	L1	mahe.in. and nuclear reactor and cladding	3

END OF SEARCH HISTORY

## Hit List

<a href="#">First Hit</a>	<a href="#">Clear</a>	<a href="#">Generate Collection</a>	<a href="#">Print</a>	<a href="#">Fwd Refs</a>	<a href="#">Bkwd Refs</a>
<a href="#">Generate OACS</a>					

Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 20060129362 A1

L1: Entry 1 of 3

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Mahe</u> ; Patrice	PIOLENC		FR
Royer; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawn D](#)

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2. Document ID: US 20030012326 A1

L1: Entry 2 of 3

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030012326

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030012326 A1

TITLE: Method of inspecting an operation of sealed closure by welding the end of a filling channel traversing the upper plug of a nuclear fuel rod

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Mahe</u> , Philippe	Montmiral		FR

US-CL-CURRENT: 376/248

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawn D](#)

3. Document ID: US 6668034 B2

L1: Entry 3 of 3

File: USPT

Dec 23, 2003

US-PAT-NO: 6668034

DOCUMENT-IDENTIFIER: US 6668034 B2

TITLE: Method of inspecting an operation of sealed closure by welding the end of a filling channel traversing the upper plug of a nuclear fuel rod

DATE-ISSUED: December 23, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Mahe; Philippe</u>	Montmiral			FR

US-CL-CURRENT: 376/248; 219/121.64, 219/121.85, 376/258, 376/261, 376/451, 382/141,  
382/152, 700/109

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Searches](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn D](#)

[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Blkwd Refs](#) | [Generate OACS](#)

Term	Documents
MAHE	262
MAHES	5
NUCLEAR	156342
NUCLEARS	23
REACTOR	199583
REACTORS	61790
CLADDING	42282
CLADDINGS	3041
((MAHE.IN.) AND CLADDING) AND (NUCLEAR ADJ REACTOR)).PGPB,USPT.	3
(MAHE.IN. AND NUCLEAR REACTOR AND CLADDING ).PGPB,USPT.	3

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## Hit List

First Hit	Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS					

Search Results - Record(s) 1 through 6 of 6 returned.

1. Document ID: US 20060129362 A1

L5: Entry 1 of 6

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royer; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

2. Document ID: US 5073336 A

L5: Entry 2 of 6

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)

3. Document ID: US 5026516 A

L5: Entry 3 of 6

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMTC	Dra	De
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 4. Document ID: US 5024809 A

L5: Entry 4 of 6

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809

DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMTC	Dra	De
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 5. Document ID: US 4986957 A

L5: Entry 5 of 6

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957

DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

## Hit List

<a href="#">First Hit</a>	<a href="#">Clear</a>	<a href="#">Generate Collection</a>	<a href="#">Print</a>	<a href="#">Fwd Refs</a>	<a href="#">Bkwd Refs</a>
<a href="#">Generate OACS</a>					

Search Results - Record(s) 1 through 6 of 6 returned.

1. Document ID: US 20060129362 A1

L6: Entry 1 of 6

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royer; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KOMC</a>	<a href="#">Drawn D</a>
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2. Document ID: US 5073336 A

L6: Entry 2 of 6

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KOMC</a>	<a href="#">Drawn D</a>
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3. Document ID: US 5026516 A

L6: Entry 3 of 6

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

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 4. Document ID: US 5024809 A

L6: Entry 4 of 6

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809

DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#)

---

 5. Document ID: US 4986957 A

L6: Entry 5 of 6

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957

DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Taylor; Dale F. Schenectady NY

US-CL-CURRENT: 376/417; 376/416, 376/421, 376/457, 420/422, 420/423

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMMC](#) | [Drawn De](#)

6. Document ID: US 4643866 A

L6: Entry 6 of 6

File: USPT

Feb 17, 1987

US-PAT-NO: 4643866

DOCUMENT-IDENTIFIER: US 4643866 A

TITLE: Nuclear fuel pellet-cladding interaction test device and method modeling in-core reactor thermal conditions

DATE-ISSUED: February 17, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thornton; Thomas A.	Lynchburg	VA		
Pettus; William G.	Monroe	VA		

US-CL-CURRENT: 376/245; 376/251, 376/253, 976/DIG.208

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMMC](#) | [Drawn De](#)

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Term	Documents
CLADDING	42282
CLADDINGS	3041
FAIL\$	0
FAIL	247847
FAILA	16
FAILABLE	4
FAILACE	2
FAILACIES	1
FAILACT	1
FAILACTION	3
FAILAMENT	1
(L3 AND (CLADDING WITH FAIL\$) AND PELLET? ).PGPB,USPT.	6

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## Hit List

First Hit	Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS					

Search Results - Record(s) 1 through 7 of 7 returned.

1. Document ID: US 20060129362 A1

L7: Entry 1 of 7

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royer; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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2. Document ID: US 5073336 A

L7: Entry 2 of 7

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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3. Document ID: US 5026516 A

L7: Entry 3 of 7

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#)

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 4. Document ID: US 5024809 A

L7: Entry 4 of 7

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809

DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#)

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 5. Document ID: US 4990305 A

L7: Entry 5 of 7

File: USPT

Feb 5, 1991

US-PAT-NO: 4990305

DOCUMENT-IDENTIFIER: US 4990305 A

TITLE: Single peak radial texture zircaloy tubing

DATE-ISSUED: February 5, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Foster; John P.	Monroeville	PA
Cook; Charles S.	Murrysville	PA
Sabol; George P.	Export	PA

US-CL-CURRENT: 376/457; 72/370.22, 72/700

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#)

---

6. Document ID: US 4986957 A

L7: Entry 6 of 7

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957

DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/416, 376/421, 376/457, 420/422, 420/423

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#)

---

7. Document ID: US 4643866 A

L7: Entry 7 of 7

File: USPT

Feb 17, 1987

US-PAT-NO: 4643866

DOCUMENT-IDENTIFIER: US 4643866 A

TITLE: Nuclear fuel pellet-cladding interaction test device and method modeling in-core reactor thermal conditions

DATE-ISSUED: February 17, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thornton; Thomas A.	Lynchburg	VA		
Pettus; William G.	Monroe	VA		

US-CL-CURRENT: 376/245; 376/251, 376/253, 976/DIG.208

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#)

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<a href="#">Generate OACS</a>					

**Search Results - Record(s) 1 through 16 of 16 returned.**

1. Document ID: US 20060129362 A1

L10: Entry 1 of 16

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royere; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawn D.](#)

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2. Document ID: US 20060039524 A1

L10: Entry 2 of 16

File: PGPB

Feb 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060039524

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060039524 A1

TITLE: Multi-layered ceramic tube for fuel containment barrier and other applications in nuclear and fossil power plants

PUBLICATION-DATE: February 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Feinroth; Herbert	Silver Spring	MD	US
Hao; Bernard R.	Fairfax Station	VA	US

US-CL-CURRENT: 376/409

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D
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3. Document ID: US 6535568 B1

L10: Entry 3 of 16

File: USPT

Mar 18, 2003

US-PAT-NO: 6535568

DOCUMENT-IDENTIFIER: US 6535568 B1

TITLE: Method and system for generating thermal-mechanical limits for the operation of nuclear fuel rods

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reese; Anthony P.	Wilmington	NC		

US-CL-CURRENT: 376/245; 376/255

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D
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4. Document ID: US 5699396 A

L10: Entry 4 of 16

File: USPT

Dec 16, 1997

US-PAT-NO: 5699396

DOCUMENT-IDENTIFIER: US 5699396 A

TITLE: Corrosion resistant zirconium alloy for extended-life fuel cladding

DATE-ISSUED: December 16, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale Frederick	Schenectady	NY		

US-CL-CURRENT: 376/416; 148/672, 376/414, 376/417, 376/457, 420/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D
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5. Document ID: US 5578145 A

L10: Entry 5 of 16

File: USPT

Nov 26, 1996

US-PAT-NO: 5578145

DOCUMENT-IDENTIFIER: US 5578145 A

TITLE: Process for improving corrosion resistance of zirconium or zirconium alloy barrier cladding

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adamson; Ronald B.	Fremont	CA		
Lutz; Daniel R.	San Jose	CA		

US-CL-CURRENT: 148/421; 376/416, 428/610, 428/660

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

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6. Document ID: US 5434897 A

L10: Entry 6 of 16

File: USPT

Jul 18, 1995

US-PAT-NO: 5434897

DOCUMENT-IDENTIFIER: US 5434897 A

TITLE: Hydride damage resistant fuel elements

DATE-ISSUED: July 18, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davies; John H.	San Jose	CA		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

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7. Document ID: US 5417780 A

L10: Entry 7 of 16

File: USPT

May 23, 1995

US-PAT-NO: 5417780

DOCUMENT-IDENTIFIER: US 5417780 A

TITLE: Process for improving corrosion resistance of zirconium or zirconium alloy barrier cladding

DATE-ISSUED: May 23, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adamson; Ronald B.	Fremont	CA		
Lutz; Daniel R.	San Jose	CA		

US-CL-CURRENT: 148/520; 148/421, 148/672, 420/422

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#)

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 8. Document ID: US 5073336 A

L10: Entry 8 of 16

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)

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 9. Document ID: US 5026516 A

L10: Entry 9 of 16

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)

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 10. Document ID: US 5024809 A

L10: Entry 10 of 16

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809

DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#) 11. Document ID: US 4986957 A

L10: Entry 11 of 16

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957

DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/416, 376/421, 376/457, 420/422, 420/423[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#) 12. Document ID: US 4652425 A

L10: Entry 12 of 16

File: USPT

Mar 24, 1987

US-PAT-NO: 4652425

DOCUMENT-IDENTIFIER: US 4652425 A

TITLE: Bottom grid mounted debris trap for a fuel assembly

DATE-ISSUED: March 24, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ferrari; Harry M.	Edgewood Boro	PA		
Wilson; John F.	Murrysville	PA		

US-CL-CURRENT: 376/352; 376/313, 376/443, 376/446, 976/DIG.216, 976/DIG.60[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D](#) 13. Document ID: US 4643866 A

L10: Entry 13 of 16

File: USPT

Feb 17, 1987

US-PAT-NO: 4643866

DOCUMENT-IDENTIFIER: US 4643866 A

TITLE: Nuclear fuel pellet-cladding interaction test device and method modeling in-core reactor thermal conditions

DATE-ISSUED: February 17, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thornton; Thomas A.	Lynchburg	VA		
Pettus; William G.	Monroe	VA		

US-CL-CURRENT: 376/245; 376/251, 376/253, 976/DIG.208[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [RWC](#) | [Draw. De](#)

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 14. Document ID: US 4279700 A

L10: Entry 14 of 16

File: USPT

Jul 21, 1981

US-PAT-NO: 4279700

DOCUMENT-IDENTIFIER: US 4279700 A

TITLE: Tritium removal and retention device

DATE-ISSUED: July 21, 1981

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boyle; Raymond F.	Pittsburgh	PA		
Durigon; Docile D.	North Huntingdon	PA		

US-CL-CURRENT: 376/418; 976/DIG.51[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [RWC](#) | [Draw. De](#)

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 15. Document ID: US 4126514 A

L10: Entry 15 of 16

File: USPT

Nov 21, 1978

US-PAT-NO: 4126514

DOCUMENT-IDENTIFIER: US 4126514 A

TITLE: Method for detecting and locating defective nuclear reactor fuel elements

DATE-ISSUED: November 21, 1978

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wonn; James W.	Irwin	PA		

US-CL-CURRENT: 376/252; 73/590, 73/592, 976/DIG.232
[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw. D](#)
 16. Document ID: US 3901090 A

L10: Entry 16 of 16

File: USPT

Aug 26, 1975

US-PAT-NO: 3901090

DOCUMENT-IDENTIFIER: US 3901090 A

TITLE: Method and apparatus for detecting malassembled nuclear fuel rods

DATE-ISSUED: August 26, 1975

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Akey; John G.	Pittsburgh	PA	15146	
Wachter; William J.	Pittsburgh	PA	15227	

US-CL-CURRENT: 73/572; 376/245, 73/590, 73/592, 976/DIG.231
[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw. D](#)
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PELETX	2
PELLEY	5
PELETZ	9
PELET3	2
PELLET]	4
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<a href="#">Generate OACS</a>					

**Search Results - Record(s) 1 through 20 of 35 returned.**

1. Document ID: US 20060129362 A1

L11: Entry 1 of 35

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129362

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060129362 A1

TITLE: Method for determining threshold value of a nuclear reactor operating parameter, corresponding system, computer programme and support

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Mahe; Patrice	PIOLENC		FR
Royer; Christian	Issy Les Moulineaux		FR

US-CL-CURRENT: 703/2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KOMC](#) [Drawn D](#)

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2. Document ID: US 20060039524 A1

L11: Entry 2 of 35

File: PGPB

Feb 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060039524

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060039524 A1

TITLE: Multi-layered ceramic tube for fuel containment barrier and other applications in nuclear and fossil power plants

PUBLICATION-DATE: February 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Feinroth; Herbert	Silver Spring	MD	US
Hao; Bernard R.	Fairfax Station	VA	US

US-CL-CURRENT: 376/409

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIAC	Drawn De
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3. Document ID: US 20050107870 A1

L11: Entry 3 of 35

File: PGPB

May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050107870

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050107870 A1

TITLE: Medical device with multiple coating layers

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Xingwu	Wellsville	NY	US
Greenwald, Howard J.	Rochester	NY	US

US-CL-CURRENT: 623/1.44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIAC	Drawn De
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4. Document ID: US 20050079132 A1

L11: Entry 4 of 35

File: PGPB

Apr 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050079132

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050079132 A1

TITLE: Medical device with low magnetic susceptibility

PUBLICATION-DATE: April 14, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Xingwu	Wellsville	NY	US
Greenwald, Howard J.	Rochester	NY	US
Gunderman, Robert D.	Honeyoye Falls	NY	US

US-CL-CURRENT: 424/1.11; 424/422, 424/423, 600/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIAC	Drawn De
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5. Document ID: US 20050025797 A1

L11: Entry 5 of 35

File: PGPB

Feb 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050025797  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050025797 A1

TITLE: Medical device with low magnetic susceptibility

PUBLICATION-DATE: February 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Xingwu	Wellsville	NY	US
Greenwald, Howard Jay	Rochester	NY	US

US-CL-CURRENT: 424/422; 424/423, 424/489

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn De](#)

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6. Document ID: US 20040254419 A1

L11: Entry 6 of 35

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040254419  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040254419 A1

TITLE: Therapeutic assembly

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Xingwu	Wellsville	NY	US
Greenwald, Howard J.	Rochester	NY	US
Lanzafame, John	Victor	NY	US
Weiner, Michael L.	Webster	NY	US
Connelly, Patrick R.	Rochester	NY	US

US-CL-CURRENT: 600/8; 424/1.11, 424/422

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn De](#)

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7. Document ID: US 20040196954 A1

L11: Entry 7 of 35

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040196954  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040196954 A1

TITLE: METHOD FOR PREVENTING FRETTING DAMAGE TO FUEL RODS, NUCLEAR REACTOR FUEL

ELEMENT, DEVICE FOR PREVENTING FRETTING DAMAGE, AND SPACER IN A FUEL ASSEMBLY OF A NUCLEAR REACTOR

PUBLICATION-DATE: October 7, 2004

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	COUNTRY
Stabel-Weinheimer, Jurgen	Erlangen		DE
Ren, Mingmin	Erlangen		DE

US-CL-CURRENT: 376/438

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn
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8. Document ID: US 6891912 B1

L11: Entry 8 of 35 File: USPT May 10, 2005

US-PAT-NO: 6891912

DOCUMENT-IDENTIFIER: US 6891912 B1

TITLE: Fuel assemblies in a reactor core and method of designing and arranging same

DATE-ISSUED: May 10, 2005

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lukic; Yovan D.	Paradise Valley	AZ		
Schmidt; Jeffrey S.	Glendale	AZ		

US-CL-CURRENT: 376/267, 376/241, 376/305, 376/306, 376/419, 376/435

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KiMC	Draw
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9. Document ID: US 6888911 B2

L11: Entry 9 of 35 File: USPT May 3, 2005

US-PAT-NO: 6888911

DOCUMENT-IDENTIFIER: US 6888911 B2

TITLE: Method for preventing fretting damage to fuel rods, nuclear reactor fuel element, device for preventing fretting damage, and spacer in a fuel assembly of a nuclear reactor

DATE-ISSUED: May 3, 2005

**INVENTOR-INFORMATION:**

Ren; Mingmin

Erlangen

DE

US-CL-CURRENT: [376/438](#); [376/439](#), [376/443](#), [376/444](#), [376/462](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#) 10. Document ID: US 6535568 B1

L11: Entry 10 of 35

File: USPT

Mar 18, 2003

US-PAT-NO: 6535568

DOCUMENT-IDENTIFIER: US 6535568 B1

TITLE: Method and system for generating thermal-mechanical limits for the operation of nuclear fuel rods

DATE-ISSUED: March 18, 2003

## INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE, COUNTRY  
Reese; Anthony P. Wilmington NCUS-CL-CURRENT: [376/245](#); [376/255](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#) 11. Document ID: US 5774514 A

L11: Entry 11 of 35

File: USPT

Jun 30, 1998

US-PAT-NO: 5774514

DOCUMENT-IDENTIFIER: US 5774514 A

TITLE: Energy amplifier for nuclear energy production driven by a particle beam accelerator

DATE-ISSUED: June 30, 1998

## INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY  
Rubbia; Carlo Geneve CHUS-CL-CURRENT: [376/193](#); [376/171](#), [376/181](#), [376/194](#), [376/355](#), [376/381](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#) 12. Document ID: US 5699396 A

L11: Entry 12 of 35

File: USPT

Dec 16, 1997

US-PAT-NO: 5699396

DOCUMENT-IDENTIFIER: US 5699396 A

TITLE: Corrosion resistant zirconium alloy for extended-life fuel cladding

DATE-ISSUED: December 16, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale Frederick	Schenectady	NY		

US-CL-CURRENT: 376/416; 148/672, 376/414, 376/417, 376/457, 420/422[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#) 13. Document ID: US 5610959 A

L11: Entry 13 of 35

File: USPT

Mar 11, 1997

US-PAT-NO: 5610959

DOCUMENT-IDENTIFIER: US 5610959 A

TITLE: Hafnium doped replacement rod for nuclear fuel reconstitution

DATE-ISSUED: March 11, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fecteau; Mark W.	Export	PA		
Miller; James W.	Murrysville	PA		

US-CL-CURRENT: 376/419; 376/327, 376/333, 376/339, 376/434, 376/435[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#) 14. Document ID: US 5578145 A

L11: Entry 14 of 35

File: USPT

Nov 26, 1996

US-PAT-NO: 5578145

DOCUMENT-IDENTIFIER: US 5578145 A

TITLE: Process for improving corrosion resistance of zirconium or zirconium alloy barrier cladding

DATE-ISSUED: November 26, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adamson; Ronald B.	Fremont	CA		

Lutz; Daniel R. San Jose CA

US-CL-CURRENT: 148/421; 376/416, 428/610, 428/660

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#)

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15. Document ID: US 5539791 A

L11: Entry 15 of 35 File: USPT Jul 23, 1996

US-PAT-NO: 5539791

DOCUMENT-IDENTIFIER: US 5539791 A

\*\* See image for Certificate of Correction \*\*

TITLE: Material and structural part made from modified zircaloy

DATE-ISSUED: July 23, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garzarolli; Friedrich	Hochstadt/Aisch			DE
Steinberg; Eckard	Erlangen			DE

US-CL-CURRENT: 376/417; 376/414, 376/415, 376/416, 376/457

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#)

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16. Document ID: US 5434897 A

L11: Entry 16 of 35 File: USPT Jul 18, 1995

US-PAT-NO: 5434897

DOCUMENT-IDENTIFIER: US 5434897 A

TITLE: Hydride damage resistant fuel elements

DATE-ISSUED: July 18, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davies; John H.	San Jose	CA		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn De](#)

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17. Document ID: US 5417780 A

L11: Entry 17 of 35 File: USPT May 23, 1995

US-PAT-NO: 5417780

DOCUMENT-IDENTIFIER: US 5417780 A

TITLE: Process for improving corrosion resistance of zirconium or zirconium alloy barrier cladding

DATE-ISSUED: May 23, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adamson; Ronald B.	Fremont	CA		
Lutz; Daniel R.	San Jose	CA		

US-CL-CURRENT: 148/520; 148/421, 148/672, 420/422

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequencies](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Draw. De](#)

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18. Document ID: US 5331676 A

L11: Entry 18 of 35

File: USPT

Jul 19, 1994

US-PAT-NO: 5331676

DOCUMENT-IDENTIFIER: US 5331676 A

TITLE: Calibration fixture for induction furnace

DATE-ISSUED: July 19, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lambert; David V.	St. Matthews	SC		
Goldenfield; Mark P.	Irwin	PA		

US-CL-CURRENT: 376/260; 373/145, 373/149, 376/416

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequencies](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Draw. De](#)

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19. Document ID: US 5171517 A

L11: Entry 19 of 35

File: USPT

Dec 15, 1992

US-PAT-NO: 5171517

DOCUMENT-IDENTIFIER: US 5171517 A

TITLE: Method for monitoring corrosion on a member in a nuclear reactor core

DATE-ISSUED: December 15, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Solomon; Harvey D.	Schenectady	NY
Gordon; Gerald M.	Soquel	CA

US-CL-CURRENT: 376/245; 204/404, 205/776.5, 324/700, 376/249, 376/305, 422/53,  
436/6

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawn D](#)

20. Document ID: US 5122330 A

L11: Entry 20 of 35

File: USPT

Jun 16, 1992

US-PAT-NO: 5122330

DOCUMENT-IDENTIFIER: US 5122330 A

TITLE: Sensor for monitoring corrosion on a member in a nuclear reactor core

DATE-ISSUED: June 16, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Solomon; Harvey D.	Schenectady	NY		
Gordon; Gerald M.	Soquel	CA		

US-CL-CURRENT: 376/245; 324/700, 376/305

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawn D](#)

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Term	Documents
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NUCLEARS	23
REACTOR	199583
REACTORS	61790
CLADDING	42282
CLADDINGS	3041
FUEL	279013
FUELS	54917
ROD?	0
RODA	419
RODB	28
(NUCLEAR REACTOR AND CLADDING AND FUEL ROD? AND SIMULAT\$ AND PELLET? AND (FAIL\$ OR	35

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21. Document ID: US 5073336 A

L11: Entry 21 of 35

File: USPT

Dec 17, 1991

US-PAT-NO: 5073336

DOCUMENT-IDENTIFIER: US 5073336 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: December 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/457; 376/414, 376/416, 376/417

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Drawn D</a>
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22. Document ID: US 5026516 A

L11: Entry 22 of 35

File: USPT

Jun 25, 1991

US-PAT-NO: 5026516

DOCUMENT-IDENTIFIER: US 5026516 A

TITLE: Corrosion resistant cladding for nuclear fuel rods

DATE-ISSUED: June 25, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/416; 376/414, 376/417, 376/457, 420/422, 976/DIG.53

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Drawn D</a>
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23. Document ID: US 5024809 A

L11: Entry 23 of 35

File: USPT

Jun 18, 1991

US-PAT-NO: 5024809  
DOCUMENT-IDENTIFIER: US 5024809 A

TITLE: Corrosion resistant composite claddings for nuclear fuel rods

DATE-ISSUED: June 18, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/362, 376/434, 376/457, 420/422, 976/DIG.53

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Searches](#) | [Attachments](#) | [Claims](#) | [KMMC](#) | [Draw. De](#)

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24. Document ID: US 4986957 A

L11: Entry 24 of 35

File: USPT

Jan 22, 1991

US-PAT-NO: 4986957  
DOCUMENT-IDENTIFIER: US 4986957 A

TITLE: Corrosion resistant zirconium alloys containing copper, nickel and iron

DATE-ISSUED: January 22, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Dale F.	Schenectady	NY		

US-CL-CURRENT: 376/417; 376/416, 376/421, 376/457, 420/422, 420/423

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Searches](#) | [Attachments](#) | [Claims](#) | [KMMC](#) | [Draw. De](#)

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25. Document ID: US 4977529 A

L11: Entry 25 of 35

File: USPT

Dec 11, 1990

US-PAT-NO: 4977529  
DOCUMENT-IDENTIFIER: US 4977529 A

TITLE: Training simulator for a nuclear power plant

DATE-ISSUED: December 11, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gregg; Gerald L.	Monroeville	PA		
Putman; Richard E.	Pittsburgh	PA		
Gomola; John W.	Pittsburgh	PA		

US-CL-CURRENT: 703/18; 376/245, 376/463, 703/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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26. Document ID: US 4879086 A

L11: Entry 26 of 35

File: USPT

Nov 7, 1989

US-PAT-NO: 4879086

DOCUMENT-IDENTIFIER: US 4879086 A

TITLE: Neutron economic reactivity control system for light water reactors

DATE-ISSUED: November 7, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luce; Robert G.	Glenville	NY		
McCoy; Daniel F.	Latham	NY		
Merriman; Floyd C.	Rotterdam	NY		
Gregurech; Steve	Scotia	NY		

US-CL-CURRENT: 376/173; 376/212, 376/339, 976/DIG.100, 976/DIG.118, 976/DIG.13,  
976/DIG.135

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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27. Document ID: US 4652425 A

L11: Entry 27 of 35

File: USPT

Mar 24, 1987

US-PAT-NO: 4652425

DOCUMENT-IDENTIFIER: US 4652425 A

TITLE: Bottom grid mounted debris trap for a fuel assembly

DATE-ISSUED: March 24, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ferrari; Harry M.	Edgewood Boro	PA		
Wilson; John F.	Murrysville	PA		

US-CL-CURRENT: 376/352; 376/313, 376/443, 376/446, 976/DIG.216, 976/DIG.60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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28. Document ID: US 4643866 A

L11: Entry 28 of 35

File: USPT

Feb 17, 1987

US-PAT-NO: 4643866

DOCUMENT-IDENTIFIER: US 4643866 A

TITLE: Nuclear fuel pellet-cladding interaction test device and method modeling in-core reactor thermal conditions

DATE-ISSUED: February 17, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thornton; Thomas A.	Lynchburg	VA		
Pettus; William G.	Monroe	VA		

US-CL-CURRENT: 376/245; 376/251, 376/253, 976/DIG.208[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#) 29. Document ID: US 4637910 A

L11: Entry 29 of 35

File: USPT

Jan 20, 1987

US-PAT-NO: 4637910

DOCUMENT-IDENTIFIER: US 4637910 A

TITLE: Method and apparatus for continuous on-line synthesis of power distribution in a nuclear reactor core

DATE-ISSUED: January 20, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Impink, Jr.; Albert J.	Murrysville	PA		

US-CL-CURRENT: 376/216; 376/215, 376/217, 976/DIG.207[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D](#) 30. Document ID: US 4541055 A

L11: Entry 30 of 35

File: USPT

Sep 10, 1985

US-PAT-NO: 4541055

DOCUMENT-IDENTIFIER: US 4541055 A

TITLE: Laser machining system

DATE-ISSUED: September 10, 1985

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolfe; Donald L.	Allison Park	PA		
Clements; Jack W.	Trafford	PA		
Kerrey; John S.	Columbia	SC		

US-CL-CURRENT: 700/166; 219/121.82, 376/261, 700/90[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#) 31. Document ID: US 4279700 A

L11: Entry 31 of 35

File: USPT

Jul 21, 1981

US-PAT-NO: 4279700

DOCUMENT-IDENTIFIER: US 4279700 A

TITLE: Tritium removal and retention device

DATE-ISSUED: July 21, 1981

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boyle; Raymond F.	Pittsburgh	PA		
Durigon; Docile D.	North Huntingdon	PA		

US-CL-CURRENT: 376/418; 976/DIG.51[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#) 32. Document ID: US 4252613 A

L11: Entry 32 of 35

File: USPT

Feb 24, 1981

US-PAT-NO: 4252613

DOCUMENT-IDENTIFIER: US 4252613 A

\*\* See image for Certificate of Correction \*\*

TITLE: Nuclear fuel assembly guide tube with integral intermittent projections

DATE-ISSUED: February 24, 1981

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jabsen; Felix S.	Lynchburg	VA		

US-CL-CURRENT: 376/439; 976/DIG.60[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)

33. Document ID: US 4126514 A

L11: Entry 33 of 35

File: USPT

Nov 21, 1978

US-PAT-NO: 4126514

DOCUMENT-IDENTIFIER: US 4126514 A

TITLE: Method for detecting and locating defective nuclear reactor fuel elements

DATE-ISSUED: November 21, 1978

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wonn; James W.	Irwin	PA		

US-CL-CURRENT: 376/252; 73/590, 73/592, 976/DIG.232

Full	Title	Citation	Front	Review	Classification	Date	Reference	<u>Sequences</u>	Attachments	Claims	KMTC	Drawn D
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 34. Document ID: US 4040876 A

L11: Entry 34 of 35

File: USPT

Aug 9, 1977

US-PAT-NO: 4040876

DOCUMENT-IDENTIFIER: US 4040876 A

TITLE: High temperature alloys and members thereof

DATE-ISSUED: August 9, 1977

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bleiberg; Melvin L.	Pittsburgh	PA		
Diamond; Sidney	Monroeville	PA		
Rowcliffe; Arthur F.	Greensburg	PA		
Spitznagel; John A.	Export	PA		

US-CL-CURRENT: 148/327; 148/442, 376/900, 976/DIG.44

Full	Title	Citation	Front	Review	Classification	Date	Reference	<u>Sequences</u>	Attachments	Claims	KMTC	Drawn D
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 35. Document ID: US 3901090 A

L11: Entry 35 of 35

File: USPT

Aug 26, 1975

US-PAT-NO: 3901090

DOCUMENT-IDENTIFIER: US 3901090 A

TITLE: Method and apparatus for detecting malassembled nuclear fuel rods

DATE-ISSUED: August 26, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Akey; John G.	Pittsburgh	PA	15146	
Wachter; William J.	Pittsburgh	PA	15227	

US-CL-CURRENT: 73/572; 376/245, 73/590, 73/592, 976/DIG.231

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) |